

STEM Evaluation for:
***Syncarpia glomulifera* – 5 trees**
Terpentine - Exotic
Location: Virginia Lake
STEM Score: 96

Assessed by: Marc Higgle, Consultant Arborist, 18 December 2013

History:

None Known at this stage.

Visual Comments:

- There are many terpentine trees behind the Winter Gardens at Virginia Lake.
- None stand out as specimen examples. This group are some of the better formed and most easily seen trees.
- Most are multi-leadered and one in particular has a large included leader.
- This tree also has a light and power cabling attached to the trunk for approximately 5m. The fixtures and cable have begun to grow into the tree in places.
- There was a heavy crop of seed present.

Recommendations:

- Remove lights and fixtures. Or at least loosen fixtures.



Full Tree Evaluation Score Sheet

Syncarpia glomulifera X5 18.12.13

Condition Evaluation

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	15
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	15
Vigour & Vitality	Poor	Some	Good	Very good	Excellent	15
Function	Minor	Useful	Important	Significant	Major	3
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	21
Subtotal Points						69

Amenity Evaluation

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	9
Visibility (km)	0.5	1.0	2.0	4.0	8.0	3
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	9
Role	Minor	Moderate	Important	Significant	Major	3
Climate	Minor	Moderate	Important	Significant	Major	3
Subtotal Points						27

Notable Evaluation

Recognition Points	Local 3	District 9	Regional 15	National 21	International 27	Score
Stature						
• Feature						
• Form						
Historic						
• Age 100+						
• Association						
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						0
Total Points						96







Large included union and light cabling growing into trunk on the same tree.



STEM Evaluation for:
Syzygium maire
Swamp Maire - Native
Location: Virginia Lake
STEM Score: 153

Assessed by: Marc Higgle, Consultant Arborist, 12 December 2013

History:

None known at this stage.

Visual Comments:

- Very good example of this rare native.
- It has had significant leaf burn from spring/summer winds.
- It is multi-leadered from the base but the main trunk has apical dominance.
- There was a good crop of seed on the ground and in the canopy. Unsure if it will be viable.
- The boardwalk around it does a great job in protecting the root plate.
- This tree is almost certainly planted from a source out of the region. There are naturally occurring swamp maire in the area (Gordon's Bush).



Full Tree Evaluation Score Sheet

Syzygium maire 12.12.13

Condition Evaluation

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	21
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	27
Vigour & Vitality	Poor	Some	Good	Very good	Excellent	15
Function	Minor	Useful	Important	Significant	Major	15
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	21
Subtotal Points						99

Amenity Evaluation

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	9
Visibility (km)	0.5	1.0	2.0	4.0	8.0	3
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	9
Role	Minor	Moderate	Important	Significant	Major	21
Climate	Minor	Moderate	Important	Significant	Major	3
Subtotal Points						45

Notable Evaluation

Recognition Points	Local	District	Regional	National	International	Score
	3	9	15	21	27	
Stature						
• Feature						3
• Form						3
Historic						
• Age 100+						
• Association						
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						3
• Rarity						
• Endangered						
Subtotal Points						9
Total Points						153







STEM Evaluation for:
Cunninghamia lanceolata
China Fir, Chinese Cedar - Exotic
Location: Virginia Lake
STEM Score: 114

Assessed by: Marc Higgle, Consultant Arborist, 21 February 2014

History:

None known at this stage.

Visual Comments:

- A handsome three-leadered tree from the ground.
- Good structure and canopy health.
- Some root damage near the base.
- The site will become more exposed with planned removals.



Full Tree Evaluation Score Sheet

Cunninghamia lanceolata

21.2.14

Condition Evaluation

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	21
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	21
Vigour & Vitality	Poor	Some	Good	Very good	Excellent	15 21
Function	Minor	Useful	Important	Significant	Major	3
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	15
Subtotal Points						81

Amenity Evaluation

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	9
Visibility (km)	0.5	1.0	2.0	4.0	8.0	3
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	9
Role	Minor	Moderate	Important	Significant	Major	3
Climate	Minor	Moderate	Important	Significant	Major	3
Subtotal Points						27

Notable Evaluation

Recognition Points	Local 3	District 9	Regional 15	National 21	International 27	Score
Stature						
• Feature						3
• Form						3
Historic						
• Age 100+						
• Association						
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						6
Total Points						114





STEM Evaluation for:

Afrocarpus falcatus (Synonym – *Podocarpus falcatus*)

African Fern Pine, Common Yellowwood - Exotic

Location: Virginia Lake

STEM Score: 132

Assessed by: Marc Higgle, Consultant Arborist, 21 February 2014

History:

None known at this stage.

Visual Comments:

- This tree has been suppressed and is growing out on a lean.
- Its form isn't great with two leaders from 1.5m. The union is included but there is no sign of splitting or movement.
- The site is well sheltered but with planned removals due the site will become more exposed in the future.



Full Tree Evaluation Score Sheet

~~Palaquium~~ *Afrocarpus falcatus* 21.8.16

Condition Evaluation

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	15
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	27
Vigour & Vitality	Poor	Some	Good	Very good	Excellent	15
Function	Minor	Useful	Important	Significant	Major	9
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	21
Subtotal Points						87

Amenity Evaluation

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	9
Visibility (km)	0.5	1.0	2.0	4.0	8.0	3
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	9
Role	Minor	Moderate	Important	Significant	Major	3
Climate	Minor	Moderate	Important	Significant	Major	3
Subtotal Points						27

Notable Evaluation

Recognition Points	Local	District	Regional	National	International	Score
	3	9	15	21	27	
Stature						
• Feature						9
• Form						9
Historic						
• Age 100+						
• Association						
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						18
Total Points						132



STEM Evaluation for:
Lophostemon confertus
Brush Box - Exotic
Location: Virginia Lake
STEM Score: 108

Assessed by: Marc Higgle, Consultant Arborist, 18 December 2013

History:

None Known at this stage.

Visual Comments:

- A reasonable specimen although it is double-leadered, with an included union, from approximately six metres.
- At this point there has been another leader which has failed. There is good response growth.
- The tree has a healthy canopy with a good crop of seed.
- The tree is growing close to a *Grevillea robusta* and *Syncarpia glomulifera* and is accordingly one sided in shape.

Recommendations:

- Monitor included union for signs of splitting/failure.

Full Tree Evaluation Score Sheet

Lophostemon confertus

18.12.13

Condition Evaluation

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	15
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	21 21
Vigour & Vitality	Poor	Some	Good	Very good	Excellent	21
Function	Minor	Useful	Important	Significant	Major	3
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	21 15
Subtotal Points						69

Amenity Evaluation

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	15
Visibility (km)	0.5	1.0	2.0	4.0	8.0	3
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	9
Role	Minor	Moderate	Important	Significant	Major	3
Climate	Minor	Moderate	Important	Significant	Major	3
Subtotal Points						33

Notable Evaluation

Recognition Points	Local 3	District 9	Regional 15	National 21	International 27	Score
Stature						
• Feature						3
• Form						3
Historic						
• Age 100+						
• Association						
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						6
Total Points						108



STEM Evaluation for:
***Pinus pinaster* – 4 trees**
Maritime Pine - Exotic
Location: Virginia Lake
STEM Score: 141

Assessed by: Marc Higgle, Consultant Arborist, 18 December 2013

History:

None Known at this stage.

Visual Comments:

- A row of four large pines nearby the playground.
- All have different forms – 1 specimen, 1 very good, 1 good and 1 moderate.
- The smallest is very spindly and has been suppressed by its two neighbours.
- Another has ivy growing up its trunk and is growing on quite a pronounced lean. There was no root plate movement, past or present, observed.
- There is a mix of other vines and weeds at all the bases.
- Powerlines run under the trees.



Full Tree Evaluation Score Sheet

Pinus pinaster x4 18.12.13

Condition Evaluation						Score
Points	3	9	15	21	27	
Form	Poor	Moderate	Good	Very good	Specimen	21
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	15
Vigour & Vitality	Poor	Some	Good	Very good	Excellent	15
Function	Minor	Useful	Important	Significant	Major	3
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	27
Subtotal Points						81

Amenity Evaluation						Score
Points	3	9	15	21	27	
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	21
Visibility (km)	0.5	1.0	2.0	4.0	8.0	3
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	9
Role	Minor	Moderate	Important	Significant	Major	3
Climate	Minor	Moderate	Important	Significant	Major	9
Subtotal Points						45

Notable Evaluation						Score
Recognition Points	Local 3	District 9	Regional 15	National 21	International 27	
Stature						
• Feature						9
• Form						3
Historic						
• Age 100+						3
• Association						
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						15
Total Points						141





STEM Evaluation for:
***Angophora costata* – 4 trees**
(Sydney Red Gum) - Exotic
Location: Virginia Lake
STEM Score: 183

Assessed by: Marc Higgle, Consultant Arborist, 12 December 2013

History:

None known at this stage.

Visual Comments:

- This is a group of five trees but one has had a recent large failure leaving the tree severely disfigured and potentially open to further failure. I have not included this tree in the assessment.
- There is a stump of a past *Angophora costata* that is coppicing from the ground.
- The tree next to the failed tree is of very good form, shape and structure.
- The remaining three trees are set away and are planted close together and have pushed each other out, resulting in not good forms.
- One has an included leader.
- The bigger of the three close together has several points higher in the canopy where it is weeping. Most from past pruning wounds but one weep point is from the trunk.
- This tree also has a large basal wound which has calloused on one side but is still weeping.



Full Tree Evaluation Score Sheet

Angophora costata x 4 12.12.13

Condition Evaluation

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	21 15
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	27
Vigour & Vitality	Poor	Some	Good	Very good	Excellent	21
Function	Minor	Useful	Important	Significant	Major	15
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	27
Subtotal Points						105

Amenity Evaluation

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	21
Visibility (km)	0.5	1.0	2.0	4.0	8.0	3
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	9
Role	Minor	Moderate	Important	Significant	Major	9
Climate	Minor	Moderate	Important	Significant	Major	9
Subtotal Points						51

Notable Evaluation

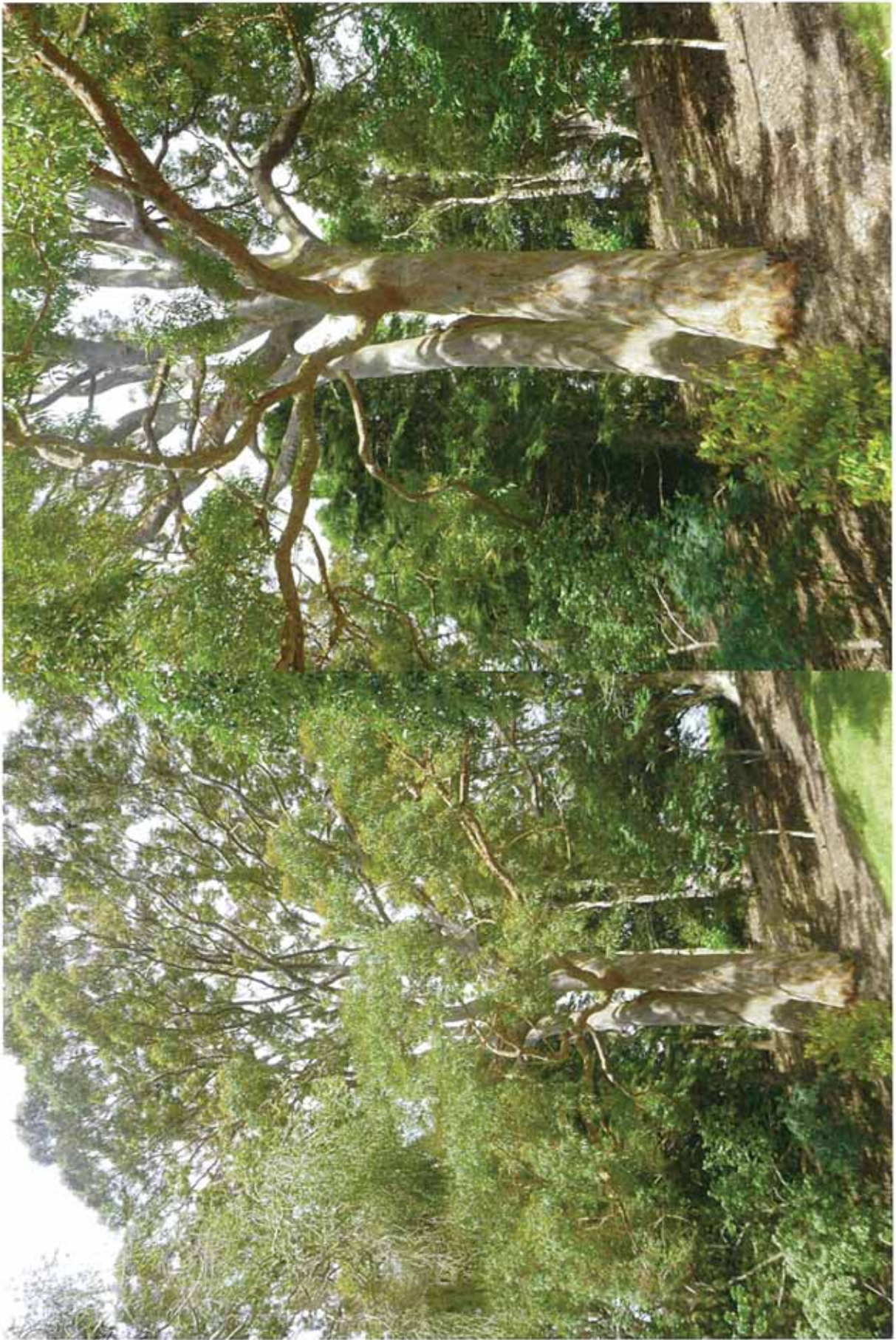
Recognition Points	Local 3	District 9	Regional 15	National 21	International 27	Score
Stature						
• Feature						9
• Form						9
Historic						
• Age 100+						9
• Association						
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						27
Total Points						183



Weeping points in tree.



Included union in tree.





Large failure in tree (not included in assessment) next to well-formed tree.

STEM Evaluation for:

Angophora costata

(Sydney Red Gum) - Exotic

Location: Virginia Lake (near Virginia Road entrance)

STEM Score: 237

Assessed by: Marc Higgle, Consultant Arborist, 12 December 2013

History:

None known at this stage.

Visual Comments:

- This lone specimen is stunning in its size, structure and features.
- This is one of the biggest known of this species in New Zealand.
- There is great garden space underneath protecting its roots.
- No sign of major failures.
- There are two bigger sized dead branches above the path.
- The trunk size is large and its patterning impressive.
- There is a kauri (*Agathis australis*) growing into the canopy on one side. Some eventual pruning to rectify this may be necessary.

Recommendations:

- Remove dead wood above path and in rest of canopy.

Full Tree Evaluation Score Sheet

Angophora costata (near Virginia Entrance) 12.12.13

Condition Evaluation

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	27
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	27
Vigour & Vitality	Poor	Some	Good	Very good	Excellent	21
Function	Minor	Useful	Important	Significant	Major	15
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	27
Subtotal Points						117

Amenity Evaluation

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	27
Visibility (km)	0.5	1.0	2.0	4.0	8.0	3
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	9
Role	Minor	Moderate	Important	Significant	Major	9
Climate	Minor	Moderate	Important	Significant	Major	9
Subtotal Points						57

Notable Evaluation

Recognition Points	Local 3	District 9	Regional 15	National 21	International 27	Score
Stature						
• Feature						21
• Form						21
Historic						
• Age 100+						21
• Association						
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						63
Total Points						237







STEM Evaluation for:

***Phoenix canariensis* – 13 trees**

(Canary Island Date Palm) - Exotic

Location: Virginia Lake, Virginia Road entrance

STEM Score: 132

Assessed by: Marc Higgle, Consultant Arborist, 12 December 2013

History:

None known at this stage.

Visual Comments:

- A stunning avenue of typical mature phoenix palms.
- There are three gaps where trees appear to have died/removed over time.



Full Tree Evaluation Score Sheet

Phoenix canaliculata x 13
Virginia Rd entrance
12.12.13.

Condition Evaluation	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	21
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	9
Vigour & Vitality	Poor	Some	Good	Very good	Excellent	21
Function	Minor	Useful	Important	Significant	Major	9
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	27
Subtotal Points						87

Amenity Evaluation

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	9
Visibility (km)	0.5	1.0	2.0	4.0	8.0	3
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	9
Role	Minor	Moderate	Important	Significant	Major	15
Climate	Minor	Moderate	Important	Significant	Major	3
Subtotal Points						39

Notable Evaluation

Recognition	Local	District	Regional	National	International	Score
Points	3	9	15	21	27	
Stature						
• Feature						
• Form						3
Historic						
• Age 100+						3
• Association						
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						6
Total Points						132





STEM Evaluation for:

***Phoenix canariensis* – 12 trees**

(Canary Island Date Palm) - Exotic

Location: Virginia Lake, Great North Road

STEM Score: 150

Assessed by: Marc Higgle, Consultant Arborist, 12 December 2013

History:

None known at this stage.

Visual Comments:

- A row of ten trees (including one smaller tree) along Great North Road and two trees (including one smaller tree) inside main entrance gates.
- Typical mature phoenix palms.
- Make a very striking and dramatic impact on roadside.



Full Tree Evaluation Score Sheet

Phoenix canariensis x 12 12.12.13

Condition Evaluation

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	21
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	9
Vigour & Vitality	Poor	Some	Good	Very good	Excellent	21
Function	Minor	Useful	Important	Significant	Major	9
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	27
Subtotal Points						87

Amenity Evaluation

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	9
Visibility (km)	0.5	1.0	2.0	4.0	8.0	9
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	21
Climate	Minor	Moderate	Important	Significant	Major	3
Subtotal Points						57

Notable Evaluation

Recognition Points	Local	District	Regional	National	International	Score
	3	9	15	21	27	
Stature						
• Feature						
• Form						3
Historic						
• Age 100+						3
• Association						
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						6
Total Points						150





STEM Evaluation for:

Pinus nigra

Black Pine - Exotic

Location: Virginia Lake (near Virginia Road entrance)

STEM Score: 144

Assessed by: Marc Higgle, Consultant Arborist, 21 February 2014

History:

None known at this stage.

Visual Comments:

- A handsome tree overlooking the lake.
- Single leadered with great structure.
- The growth tip appears to have died back and has lost its apical growth, thus forming a rounded top.
- There are some dead lower branches.
- With planned removals due to take place, the site will become considerably more exposed.

Full Tree Evaluation Score Sheet

Pinus nigra

21.2.14

Condition Evaluation

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	27
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	21
Vigour & Vitality	Poor	Some	Good	Very good	Excellent	15
Function	Minor	Useful	Important	Significant	Major	9
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	21
Subtotal Points						93

Amenity Evaluation

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	15
Visibility (km)	0.5	1.0	2.0	4.0	8.0	27
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	9
Role	Minor	Moderate	Important	Significant	Major	9
Climate	Minor	Moderate	Important	Significant	Major	3
Subtotal Points						45

Notable Evaluation

Recognition Points	Local 3	District 9	Regional 15	National 21	International 27	Score
Stature						
• Feature						3
• Form						3
Historic						
• Age 100+						
• Association						
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						6
Total Points						144



STEM Evaluation for:

***Acacia shinoides* (5 trees)**

Green Cedar Wattle - Exotic

Location: Virginia Lake (near Virginia Road entrance)

STEM Score: 147

Assessed by: Marc Higgle, Consultant Arborist, 21 February 2014

History:

None known at this stage.

Visual Comments:

- A grouping of five attractive trees, comprising of three bigger and two smaller (probably seedlings) trees.
- They are mostly hidden by the mixed exotic and native trees planted with them.
- The bigger trees are growing on leans.
- At the time of assessment they were flowering in abundance. Some very small seedlings were noted but none that had established recently.



Full Tree Evaluation Score Sheet

Acacia schinodes 21.2.14

Condition Evaluation <i>schinodes</i>						
Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	15
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	27
Vigour & Vitality	Poor	Some	Good	Very good	Excellent	21
Function	Minor	Useful	Important	Significant	Major	9
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	15
Subtotal Points						87

Amenity Evaluation						
Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	9
Visibility (km)	0.5	1.0	2.0	4.0	8.0	3
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	9
Role	Minor	Moderate	Important	Significant	Major	9
Climate	Minor	Moderate	Important	Significant	Major	3
Subtotal Points						33

Notable Evaluation						
Recognition Points	Local 3	District 9	Regional 15	National 21	International 27	Score
Stature						
• Feature						9
• Form						9
Historic						
• Age 100+						
• Association						
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						9
• Rarity						
• Endangered						
Subtotal Points						27
Total Points						147





STEM Evaluation for:

Acacia maidenii

Maiden's Wattle - Exotic

Location: Virginia Lake (near Winter Gardens)

STEM Score: 183

Assessed by: Marc Higgle, Consultant Arborist, 21 February 2014

History:

None known at this stage.

Visual Comments:

- A grouping of six trees; five below the path and one larger and better specimen above the path.
- The group of five are smaller and have been suppressed by trees above them causing them to grow out on a pronounced lean in search of light.
- The lone specimen, while small, is a better tree but has also been suppressed by an oak above it.
- It is unknown if they are all suckers of one tree or if they are seedlings.
- There were flowers and seed present.



Full Tree Evaluation Score Sheet

Acacia maidenii 21.2.14

Condition Evaluation						
Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	9
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	27
Vigour & Vitality	Poor	Some	Good	Very good	Excellent	21
Function	Minor	Useful	Important	Significant	Major	9
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	15
Subtotal Points						51

Amenity Evaluation						
Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	9
Visibility (km)	0.5	1.0	2.0	4.0	8.0	3
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	9
Role	Minor	Moderate	Important	Significant	Major	9
Climate	Minor	Moderate	Important	Significant	Major	3
Subtotal Points						33

Notable Evaluation						
Recognition Points	Local	District	Regional	National	International	Score
	3	9	15	21	27	
Stature						
• Feature						21
• Form						21
Historic						
• Age 100+						
• Association						
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						27
Subtotal Points						42
Total Points						151 183





STEM Evaluation for:

Pinus wallichiana x 2

Bhutan Pine - Exotic

Location: Virginia Lake (near Virginia Road entrance)

STEM Score: 144

Assessed by: Marc Higgle, Consultant Arborist, 21 February 2014

History:

None known at this stage.

Visual Comments:

- Two trees of different form; one single leadered tree on a slight lean and the other, a four leadered tree from 2m.
- The single leadered tree's growth tip is stressed and sparse due to wind exposure.
- The multi leadered tree's main trunk is the weakest. One leader's growth tip has died back and the other three appear stressed.
- The multi leader union is unattractive but full of character. The union is good and strong.
- There are numerous exposed roots which have been damaged by mowers.
- With planned removals ahead, these trees will become more exposed in the future.

Full Tree Evaluation Score Sheet

Pinus walkiana x 2 21.2.14

Condition Evaluation

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	15
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	27
Vigour & Vitality	Poor	Some	Good	Very good	Excellent	15
Function	Minor	Useful	Important	Significant	Major	9
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	21
Subtotal Points						87

Amenity Evaluation

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	15
Visibility (km)	0.5	1.0	2.0	4.0	8.0	3
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	9
Role	Minor	Moderate	Important	Significant	Major	9
Climate	Minor	Moderate	Important	Significant	Major	3
Subtotal Points						39

Notable Evaluation

Recognition Points	Local 3	District 9	Regional 15	National 21	International 27	Score
Stature						
• Feature						9
• Form						9
Historic						
• Age 100+						
• Association						
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						18
Total Points						144

